

# New Mexico- Las Cruces Field Office

## FY 2006 Ranking Criteria Worksheet - Irrigated Cropland

Applicant \_\_\_\_\_ Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_ CMS Field No's. \_\_\_\_\_ Date \_\_\_\_\_

Tribal Land \_\_\_\_\_ Non-Tribal Land \_\_\_\_\_ Preliminary Rating \_\_\_\_\_ Final Rating \_\_\_\_\_

### 1. Water Quantity - 200 Potential Points (34.9% of Total)

Irrigation Efficiency - Use FIRS to Evaluate - 1% irr. efficiency = 1 pt. times 2.0 Use to determine benchmark & after pts. Points earned is then after minus benchmark pts.			Potential Points	Benchmark Points	After Points
% Efficiency	% of Area in Contract before Treatment	% of Area in Contract After Treatment			
			200		
1. Water Quantity			Total		

### 2. Water Quality -120 Potential Points (20.3% of Total)

A. Surface Water Pollutants - 60 Points Maximum			
There is a probability that runoff water from irrigated fields contains sediment, salt, pesticides, and/or nutrients (or other associated chemicals). Treatment is needed to prevent these pollutants from entering live waters, or re-entering a shared irrigation system. Points will be awarded based on distance from the end of field to the nearest stream, river, lake, pond, canal, drain, or wetland. If there is no run-off, after points will be 0.			
Distance of Surface Run-Off to Live Water	Points	Before	After
<100 Ft.	60	0	
101-500 ft.	40	0	
501 - 1320 ft.	20	0	
1320 - 2640 ft.	10	0	
>2,640 Ft.	0	0	
A. Surface Water	Total	0	
B. Ground Water Pollutants - 60 Points Maximum			
There is a probability that irrigation water containing salt, pesticides, and/or nutrients (or other associated chemicals) is leaching into the ground water. Treatment is needed to prevent these pollutants from contaminating ground water, through leaching and direct return flow into wells. Points to be awarded based on depth to the water table, or elimination of any direct discharge to ground water (regardless of depth to water table).			
Depth to Water Table	Points	Before	After
1 - 10 Ft or elimination of any direct discharge into ground water.	60	0	
10 - 50 Ft.	30	0	
>51 Ft.	0	0	
B. Ground Water	Total	0	

### 3. Selected Conservation Practice(s) - 210 Potential Points (35.7% of Total)

Any practice used in the ranking criteria and intended to be included in the conservation plan of operations must be cost-shared or have an incentive payment. Higher priority (value) should be given to those practices which address multiple resource concerns, are cost effective, and have longer life spans. Use the Quality Criteria in the FOTG to establish the practices that have an impact on the identified resource concern.	Potential Points	Percent of need to be installed.	Points
Soil Erosion (Irrigation Induced)			
Irrigation Water Management (449)	15		
Structure for Water Control (587)	10		
Irrigation Land Leveling (464)	5		

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### 3. Selected Conservation Practices - 210 Potential Points - Continued

<b>Water Quality</b>			
<b>Excessive nutrients and organics in ground water</b>			
Irrigation Water Management (449)	5		
Irrigation System (441, 442, 443)	5		
Nutrient Management (590)	15		
<b>Harmful level of pesticides in ground water</b>			
Pest Management (595)	10		
<b>Water Quantity</b>			
<b>Inefficient Use of Water on Non-irrigated Land</b>			
Irrigation Pipeline (430)	10		
Irrigation Water Conveyance (428)	10		
Irrigation Water Management (449)	15		
Irrigation Land Leveling (464)	5		
Irrigation drip system (441)	20		
Irrigation System - Sprinkler (442)	20		
<b>Air</b>			
<b>Reduced visibility</b>			
Cover Crop (344)	10		
Cross Wind Trap Strips (589)	5		
minimum tillage (329)	15		
<b>Plants</b>			
<b>Productivity-Condition-Health and Vigor</b>			
Irrigation Water Management (449)	15		
Pest Management (595)	15		
Nutrient Management (590)	15		
<b>3. Selected Conservation Practices</b>	<b>Total</b>		0

### 4. Other Considerations - 60 Potential Points (10% of Total)

Below are some suggested, not required, criteria. If there are other criteria the D.C. wants to recommend based on LWG advice, please include them here.	Potential Points	Before Points	After Points
A. At risk species habitat will be enhanced. (List the species impacted)	5	0	
B. Water measuring devices are, or will be installed. If currently used, 0 pts earned.	30		
C. Will control noxious weed listed on ED list.	5	0	
D. Treatment of this land could enhance the benefits of an active/planned	10	0	
E. Storm water management across crop land	10	0	
		0	
<b>4. Other Considerations</b>	<b>Total</b>	0	0

Points Earned (After minus Benchmark): Sec. 1 \_\_\_\_\_ Sec. 2 \_\_\_\_\_ Sec. 3 \_\_\_\_\_ Sec. 4 \_\_\_\_\_ Total \_\_\_\_\_

Designated Conservationist \_\_\_\_\_

Date \_\_\_\_\_